CONTENTS

Foreword v

Deformation and Fracture Behavior of Metal–Ceramic Matrix Composite Materials 1
R. J. Arsenault, S. Fishman and M. Taya

High Temperature Superconductors
Flux Pinning and Dissipation in High Temperature Oxide Superconductors 159
M. E. McHenry and R. A. Sutton

Melt-Processing of High Temperature Superconductors 311
M. Murakami

Lattice Effects in High Temperature Superconductors 359
T. Egami and S. J. L. Billinge

Fracture Surfaces: A Critical Review of Fractal Studies and a Novel Morphological Analysis of Scanning Tunneling Microscopy Measurements 425
V. Y. Milman, N. A. Stelmashenko and R. Blumenfeld

Subject Index 475